

Message

From: Dan Berlin [dberlin@anchorqa.com]
Sent: 8/12/2020 9:24:34 PM
To: jeff.stern@kingcounty.gov; debra.williston@kingcounty.gov; Brick Spangler [Spangler.B@portseattle.org]; florer.j@portseattle.org; pete.rude@seattle.gov; allison.crowley@seattle.gov; Merv Coover [merv.coover@erm.com]; Greg Brunkhorst [gbrunkhorst@anchorqa.com]; Sanga, Ravi [Sanga.Ravi@epa.gov]; Lynch, Kira [lynch.kira@epa.gov]; Patten, Kayla M CIV USARMY CENWS (USA) [Kayla.M.Patten@usace.army.mil]; Allen, Elizabeth [allen.elizabeth@epa.gov]; Hoffman, Erika [Hoffman.Erika@epa.gov]; Gustavson, Karl [Gustavson.Karl@epa.gov]; Hale, Elly [Hale.Elly@epa.gov]; Fonseca, Silvina [Fonseca.Silvina@epa.gov]; Blocker, Shawn [Blocker.Shawn@epa.gov]; Gardiner, William W CIV USARMY CENWS (USA) [William.W.Gardiner@usace.army.mil]; bahnick.k@portseattle.org
Subject: RE: East Waterway Background Data Meeting
Attachments: AB_Considerations_Datasets_2020-08-12.pdf

Hi folks,

Attached is the presentation from today's East Waterway background data meeting. Also listed below are the additional studies and associated references with links that we reviewed in today's call. These data have been compiled and summarized in Woodward (2020) and Woodward and Integral (2018), which are also linked below.

- Filtered solids collected upstream at River Mile (RM) 10.4 next to Foster Links Golf Course by King County (2013 to 2015) (King County 2016)
- Solids collected in sediment traps upstream at RM 10.4 next to Foster Links Golf Course by King County (2013 to 2015) (King County 2016)
- Centrifuged solids collected upstream at RM 10.4 next to Foster Links Golf Course by the U.S. Geological Survey (USGS) (2013, 2015, and 2017) (Conn and Black 2014; Conn et. al. 2015, 2018)
- Fine-grained (<62.5 micrometer) bedded sediments collected upstream at RM 10.4 along Foster Links Golf Course by USGS (2013 to 2015) (Conn and Black 2014; Conn et. al. 2015, 2018)
- Sediment core data collected at the Turning Basin (RM 4.3 to RM 4.75) by USACE (2011 and 2017) (USACE 2011, 2018)

Conn, K.E., and R.W. Black, 2014. *Data Compilation for Assessing Sediment and Toxic Chemical Loads from the Green River to the Lower Duwamish Waterway, Washington*. Data Series 880. Prepared by the U.S. Geological Survey in cooperation with the Washington State Department of Ecology. September 2014. Available at: <https://pubs.usgs.gov/ds/0880/pdf/ds880.pdf>.

Conn, K.E., R.W. Black, A.M. Vanderpool-Kimura, J.R. Foreman, N.T. Peterson, C.A. Senter, and S.K. Sissel, 2015. *Chemical Concentrations and Instantaneous Loads, Green River to the Lower Duwamish Waterway near Seattle, Washington, 2013–15*. Data Series 973. Prepared by the U.S. Geological Survey in cooperation with the Washington State Department of Ecology. December 2015. Available at: <https://pubs.usgs.gov/ds/0973/ds973.pdf>.

Conn, K.E., R.W. Black, N.T. Peterson, C.A. Senter, and E.A. Chapman, 2018. *Chemical Concentrations in Water and Suspended Sediment, Green River to Lower Duwamish Waterway near Seattle, Washington, 2016–17*. Data

Series 1073. Prepared by the U.S. Geological Survey in cooperation with the Washington State Department of Ecology. January 2018. Available at: <https://pubs.usgs.gov/ds/1073/ds1073.pdf>.

King County, 2016. *Lower Duwamish Waterway Source Control: Green River Watershed Suspended Solids Data Report*. Prepared by Carly Greyell and Debra Williston, Department of Natural Resources and Parks, Water and Land Resources Division. December 2016. Available at:

<https://www.kingcounty.gov/~media/services/environment/wastewater/duwamish-waterway/source-control/solids/Green-River-Suspended-Solids-Report-Dec2016.ashx?la=en>.

USACE (U.S. Army Corps of Engineers), 2011. Memorandum regarding: Determination Regarding the Suitability of Federal Operation and Maintenance Dredged Material from the Duwamish River, Seattle, King County, Washington (Public Notice CENWS-OD-TS-NS-39) Evaluated under Section 404 of the Clean Water Act for Beneficial Use or Unconfined Open-Water Disposal at the Elliott Bay Nondispersive Site. July 22, 2011. <https://usace.contentdm.oclc.org/utils/getfile/collection/p266001coll1/id/8491>

USACE, 2018. Memorandum for Record. Regarding: Determination Regarding the Suitability of Maintenance Dredged Material from the Duwamish River Navigation Channel Evaluated under Section 404 of the Clean Water Act for Unconfined Open-Water Disposal at the Elliott Bay Nondispersive Site. <https://usace.contentdm.oclc.org/utils/getfile/collection/p266001coll1/id/8314>

Windward (Windward Environmental, LLC), 2020. *Lower Duwamish Waterway Pre-Design Studies Data Evaluation Report*. Final. Prepared for the Lower Duwamish Waterway group for submittal to the U.S. Environmental Protection Agency. June 2020. Available at: https://ldwg.org/wp-content/uploads/2020/06/LDW-Data-Evaluation-Report_toEPA_06-26-20.pdf.

Windward and Integral (Windward Environmental, LLC, and Integral Consulting, Inc.), 2018. Technical Memorandum: Compilation of Existing Data. Final. Prepared for the Lower Duwamish Waterway Group for submittal to the U.S. Environmental Protection Agency. November 2018. Available at: https://ldwg.org/wp-content/uploads/2019/02/Windward-2018_Final-Final-Task-2-memo_11-19-18.pdf.

Thanks
Dan

Dan Berlin, PWS
Principal

ANCHOR QEA, LLC

-----Original Appointment-----

From: Ally Chopic <achopic@anchorage.com>

Sent: Tuesday, August 4, 2020 3:20 PM

To: Ally Chopic; Jeff Stern; Debra Williston - Work; Brick Spangler; Joanna Florer; Pete Rude; Allison Crowley; Merv Coover; Greg Brunkhorst; Dan Berlin; Sanga, Ravi; Lynch, Kira; Patten, Kayla M CIV USARMY CENWS (USA); Allen, Elizabeth; Hoffman, Erika; Gustavson.Karl@epa.gov

Cc: Fonseca, Silvina; Blocker, Shawn; Gardiner, William W CIV USARMY CENWS (USA)

Subject: East Waterway Background Data Meeting

When: Wednesday, August 12, 2020 11:00 AM-12:30 PM (UTC-08:00) Pacific Time (US & Canada).

Where: WebEx Ex. 6 Personal Privacy (PP)

Meeting Agenda

Review of East Waterway Conceptual Site Model
Proposed Anthropogenic Background Approach
Existing Data
Recent Data
Next Steps

Thank you,

Ally Chopic, PMP

Project Coordinator

ANCHOR QEA, LLC

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C Ex. 6 Personal Privacy (PP)

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